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Sheet 1

Examiner

Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known			
Application Number	10/549,948		
Filing Date	09/20/2005		
First Named Inventor	WATCHORN, Michael J.		
Art Unit	3672		
Examiner Name	SINGH, Sunil		
Attorney Docket Number	TEBL4		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (filenows)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	us- 233,159	10/12/1880	Mooney	
	2	us- 259,685	06/20/1882	Haven et al.	
	3	us- 555,542	03/03/1896	Throop	_
	4	us- 1,759,105	05/20/1930	Evans	
	5	us- 3,004,391	10/17/1961	Miller	-
	6	us- 3,008,158	11/14/1961	Stinson	
	7	us- 3,216,639	11/09/1965	Castela	
	8	us- 3,372,849	03/12/1968	Hall et al.	
	9	us- 3,589,580	06/29/1971	Smulders	
	10	us- 3,638,288	02/01/1972	Pryor	
	11	us- 3,692,144	09/19/1972	Summer et al.	
	12	us- 3,716,994	02/20/1973	Pogonowski	
	13	us- 3,739,971	06/19/1973	Silvestri et al.	
	14	us- 3,747,354	07/24/1973	Macomber	
	15	us- 3,788,396	01/29/1974	Shatto, Jr. et al.	
	16	us- 4,073,155	02/14/1978	Schiemichen	
	17	us-4,083,072	04/11/1978	Ryan	
	18	us-4,133,067	01/09/1979	Bennett et al.	

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^e

l	Signature	Considered	
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Dra		
	considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation of		
	USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document,	by the two-lette	er code (WIPO Standard ST.3). "For
	Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial r	umber of the pa	itent document. Skind of document by
	the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Application	nt is to place a	check mark here if English language

Date

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Sheet 2

Examiner

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of | 12

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Application Number	10/549,948			
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First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (filenows)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	19	us- 4,162,551	07/31/1979	Serrano	
	20	us-4,169,296	10/02/1979	Wipkink et al.	
	21	us-4,222,683	09/16/1980	Schaloske et al.	
	22	us- 4,285,454	08/25/1981	Plumettaz	
	23	us-4,286,346	09/01/1981	Wiek	
	24	us- 4,333,196	06/08/1982	Bougaran	
	25	us- 4,363,150	12/14/1982	Nilsson	
	26	us- 4,366,591	01/04/1983	Zimmerman	
	27	us- 4,369,538	01/25/1983	Smedal	
	28	us- 4,406,094	09/27/1983	Hempel et al.	
	29	us- 4,459,931	07/17/1984	Glidden	
	30	us- 4,521,132	06/04/1985	Isakson et al.	
	31	us-4,590,634	05/27/1986	Williams	
	32	us- 4,596,494	06/24/1986	Manesse et al.	
	33	us-4,602,697	07/29/1986	Aanensen	
	34	us-4,611,953	09/16/1986	Owens	
	35	us-4,655,641	04/07/1987	Weyler	
	36	us- 4.720.214	01/19/1988	Brasted et al.	·

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°

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	considered. Include copy of this form with next communication to applicant. Applican	it's unique citation designation num	iber (optional). See Kinds Codes of
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Sheet 3

Examiner

Signature

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Examiner Name	SINGH, Sunil		
Attorney Docket Number	TEBL 4		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (**Imove)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	37	us-4,789,271	12/06/1988	Sullaway et al.	
	38	us-4,869,615	09/26/1989	Galle	
	39	us- 4,902,169	02/20/1990	Sutton	
	40	us- 4,917,540	04/17/1990	Recalde	
	41	us- 5,126,134	06/30/1992	Heim et al.	-
	42	us- 5,893,682	04/13/1999	Oliveri	
	43	us- 2001/0040031	11/15/2001	Shaaban et al.	
	44	us- 6,347,424	02/19/2002	Vatne	
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	50	us- 6,439,445	08/27/2002	De Groot et al.	
	51	us- 6,619,432	09/16/2003	Yasui	
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	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
	L					

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Sheet 4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/549,948			
Filing Date	09/20/2005			
First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
Examiner Name	SINGH, Sunil			
Attorney Docket Number	TEBL4			

			U. S. PATENT I	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (filenows)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	55	us- 6,739,430	05/25/2004	Hill	
	56	us- 6,923,140	08/02/2005	Cook	
	57	us- 2005/0286979	12/29/2005	Watchorn	
	58	us- 2005/0179019	08/18/2005	Ellingson	
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	65	us- 2007/0119896	05/31/2007	Grinsted	
	66	us- 2008/0145149	06/19/2008	Grinsted et al.	
	67	us- 2008/0229524	09/25/2008	Watchorn et al.	
	68	us- 2008/0301888	12/11/2008	Watchorn et al.	
	69	us- 2009/0028647	01/29/2009	Bingham et al.	
	70	us- 1,378,948	05/24/1921	Hage	
	71	us- 2004/0045226	03/11/2004	Dehlsen et al.	
	72	us. 5 263 624	11/23/1993	Zuidhera	

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Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵	
	73	DE 597543	05/26/1934	Toussaint et al.		П	
	74	CH 241601	03/31/1946	Desmeules Freres			
	75	CH 363463	07/31/1962	Andersson			
	76	SU 610718 (plus Description of Invention)	06/15/1978	M.V. Frunze Rubber Technical Articles Factory (Ufa)			
	77	GB 2033463	05/21/1980	FMC Corporation			

Signature		Considered	
*EXAMINER	R: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Dr.	aw line through o	citation if not in conformance a

"EXAMINES: Initial if reference considered, whether or not clation is in conformance with MPEP 699. Draw line through clation in for in conformance and not considered, include copy of this form with next communication to applicate. "Applicant's unique clation designation number (optional," See Rinds Codes of USPTO Patent Documents at www.upsto.org/ or MPEP 901.04. "Faiter Office that issued the document, by the two-letter code (WIPO Standard ST3), "For Japanese patent documents, the includation of the year of the region of the Emperor must precedule the serial number of the patent documents and the patent documents are included on the document under WIPO Standard ST. 16 if possible, "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CPR 197 and 19.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is operand by 39 USP. C. 122 and 37 CRF 11.4. This collection is estimated to 50 burs to complete including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of film you require to complete this form and/or suggestions for reducing this burders, should be sent to the Chief Information Cliner. U.S. Patter and Trademark Office. P.O. Box 1450, Alexandria, VA. 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Pattents, P.O. Box 1450, Alexandria, VA. 22313-1450.

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Sheet 5

Examiner

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 12

Complete if Known				
Application Number	10/549,948			
Filing Date	09/20/2005			
First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
Examiner Name	SINGH, Sunil			
Attorney Docket Number	TEBL4			

	U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-				
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	78	SU 757383	08/23/1980	Korobanov et al.		
	79	FR 2465640		STE Generale de Remorquage et al.		
	80	GB 2086313	05/12/1982	Hauge		
	81	WO 85/01970	05/09/1985	Stellingsbygg A/S		
	82	GB 2158793	11/20/1985	Stellingsbygg A/S		

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Sheet 6

Examiner

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Filing Date	09/20/2005			
First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
Examiner Name	SINGH, Sunil			
Attorney Docket Number	TEBL4			

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°	
	83	GB 2175332	11/26/1986	Fenyvesi			
	84	GB 2175860		Linkleters Patent Ship Fittings Co. Ltd.			
	85	FR 2586641	03/06/1987	Roume			
	86	EP 0255191	02/03/1988	Conoco Inc.			
	87	EP 0296272	12/28/1988	Diehl			

Signature	Considered	ا ا
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considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation		
USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document		

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Sheet 7

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Application Number	10/549,948			
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		US-			

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	88	GB 2225753	06/13/1990	Offshore Design Engineering Ltd.		
	89	GB 2246992	02/19/1992	Cundall		
	90	EP 0524648	01/27/1993	Hydra-Rig, Inc.		
	91	WO 95/14605	06/01/1995	Liferaft Systems Australia PTY, Ltd.		
	92	WO/97/29946	08/21/1997	Koppernaes A.S.		

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 8

(Use as many sheets as necessary)

Application Number 10/549,948 Filing Date 09/20/2005 First Named Inventor WATCHORN, Michael J. Art Unit 3672 **Examiner Name** SINGH, Sunil Attorney Docket Number | TEBL4

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		US-				
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Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T°
	93	DE 19607972	01/15/1998	Gebr. Strab GmbH &		
	133	DE 1300/3/2	01/10/1000	Co.		\Box
	94	WO 02/20343	03/14/2002	P& R Systems		I_
	95	WO 02/48547	06/20/2002	Mammoet Marine		
	133	VVO 02/46547	00/20/2002	B.V.I.O.		
	96	NL 1019706	07/09/2003	Hooch Watersport		
	90	INC 1019700	07/08/2003	V.o.f. te Hunsel		
	97	WO 03/66426	08/14/2003	MPU Enterprise AS		\Box

Examiner Signature	Date Considered	

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Sheet 9

Examiner

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

Complete if Known				
Application Number	10/549,948			
Filing Date	09/20/2005			
First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
Examiner Name	SINGH, Sunil			
Attorney Docket Number	TERI 4			

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (flacom)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
	98	WO 03/66427	08/14/2003	Fred. Olsen Renewables Ltd.		
	99	WO 04/38108	05/06/2004	The Engineering Business Ltd.		
	100	WO 04/40182	05/13/2004	The Engineering Business Ltd.		
	101	NL 1023142	10/13/2004	Ingenieursburo Praxis B.V. te Velserbroek		
	102	JP 2005069025 (plus Abstract)	03/17/2005	Mitsui Eng & Shipbuilding Co. Ltd.		

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considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation d		
USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, I		
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Sheet 10

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/549,948			
Filing Date	09/20/2005			
First Named Inventor	WATCHORN, Michael J.			
Art Unit	3672			
Examiner Name	SINGH, Sunil			
Attorney Docket Number	TERI 4			

			U. S. PATENT D	OCUMENTS	U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear						
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
	103	WO 05/47097	05/26/2005	The Engineering Business Ltd.					
	104	JP 2006037397(plus Abstract)	02/09/2006	Kinsho Bussan KK et al.					
	105	WO 06/76920	07/27/2006	A2Sea A/S					
	106	WO 06/87540	08/24/2006	The Engineering Business Ltd.					
	107	WO 07/15079	02/08/2007	The Engineering Business Ltd.					

Examiner Signature	Date Considered	

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Sheet 11

Translation is attached

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 12

Complete if Known					
Application Number 10/549,948					
Filing Date	09/20/2005				
First Named Inventor	WATCHORN, Michael J.				
Art Unit	3672				
Examiner Name	SINGH, Sunil				
Attorney Docket Number	TEBL4				

	U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
	108	WO 07/91042	08/16/2007	The Engineering Business Ltd.					
Examiner	Г			Date		$\overline{}$			

1	Signature		Considered			
		R: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Dra				
		Include copy of this form with next communication to applicant. Applicant's unique citation				
		ent Documents at www.uspto.gov or MPEP 901.04. 3Enter Office that issued the document,				
		atent documents, the indication of the year of the reign of the Emperor must precede the serial r				
	the appropr	ate symbols as indicated on the document under WIPO Standard ST, 16 if possible. Applicat	nt is to place a	check mark here	e if English lan	quage

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Substit	tute for form 1449B/PTO			Complete if Known		
				Application Number	10/549,948	
INF	ORMATION DIS	CLOS	URE	Filing Date	09/20/2005	
STA	ATEMENT BY AF	PLIC.	ANT	First Named Inventor	WATCHORN, Michael J.	
				Art Unit	3672	
	(Use as many sheets as nec	essary)		Examiner Name	SINGH, Sunil	
Sheet	12	of	12	Attorney Docket Number	TEBL4	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, diy and/or county where published.	T ²
	109	Great Britain Search Report for Application No. GB 0224656.9 Dated November 22, 2002	
	110	Great Britain Search Report for Application No. GB 0225496.9 Dated April 28, 2003	
	111	International Search Report for PCT Application No. PCT/GB03/04529 Dated February 11, 2004	
	112	International Search Report for PCT Application No. PCT/GB03/04697 Dated April 22, 2004	
	113	Great Britain Search Report for Application No. GB 0403362.7 Dated June 29, 2004	
	114	International Search Report for PCT Application No. PCT/GB04/04716 Dated February 23, 2005	
	115	International Search Report for PCT Application No. PCT/GB05/03010 Dated November 22, 2005	
	116	International Search Report and Written Opinion for PCT Application No. PCT/GB06/00525 Dated May 19, 2006	
	117	International Search Report and Written Opinion for PCT Application No. PCT/GB06/02860 Dated October 26, 2006	
	118	International Search Report and Written Opinion for PCT Application No. PCT/GB07/00400 Dated June 11, 2007	

Examiner	Date	
Signature	Considered	

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